

A Level Computer Science

End of Unit Test

Unit 2.2.1.2

Integrated Development Environments (IDEs)

Name		Date	
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Score	Percentage	Grade
/ 21		

Question 1

A programmer is developing an ordering system for a fast food restaurant. When a member of staff inputs an order, it is added to a linked list for completion by the chefs. The programmer is writing the program using an IDE.

- a) Describe what is meant by the term IDE (Integrated Development Environment).

[2]

- b) Identify three features of an IDE that the programmer would use when writing the code and describe how the features benefit the programmer

i.

ii.

iii.

[6]

Question 2

Dexter is leading a programming team who are creating a computer program that will simulate an accident and emergency room to train hospital staff. Dexter's team is using an integrated development environment (IDE). Describe how the programmers could make use of the following IDE tools:

Breakpoints

Stepping

[4]

Question 3

Mabel is a software engineer. She is writing a computer game for a client. In the game the main character has to avoid their enemies. This becomes more difficult as the levels of the game increase.

Mabel has been told that true programmers write programs in a text editor, and do not use IDEs. Mabel does not agree with this statement.

Discuss the use of an IDE in the development of this program.

[9]